

WBID	COLCLC01				
Site Number			Datastore Period of Record:	12/31/1899	to 12/31/1899
Site Name					
Agency			Calculation Period of Record:	10/1/2008	to 9/30/2013
Latitude					
Longitude					n
Datum					n
AQ Use					n
Rec Use:					n
WS Use Y/N					n
Temp Tier:					y
Agriculture					
Date Assessed					
Assessor					

ALL Green Boxes are Required.

		Aquatic Life		Water Supply	Agriculture	Existing	n	Acute
	"J" Flag	Chronic	Acute*		(TREC)	Quality		Max

|

```
<-Use Site Specific Information
<-Output "TVS Table"
<- Output "Graphs" tab
<- Output "NH3" tab
<- Show "Standards Table"
<-- show acute paired calcs. ** will not work with the show calcs tab.
```

OFFSITE STANDARDS PATH
C:\Users\rhillega\Desktop\FakeSTD_DB.xlsx

Status	Summary
	Stat.

u	0	61
u	0	17
	0.024	8.9
u	0	26.3

WBID	Aquatic Life				Water Supply		Agriculture		Note
	Chronic	SS	Acute	SS		SS		SS	
Temp (s)	NS		NS		NS		NS		
Temp (w)	NS		NS		NS		NS		
D.O.	NS		7		3		3		
pH min	NS		6.5		5		NS		
pH max	NS		9		9		NS		
NH3	TVS		TVS		NS		NS		
NO ₂	0.05		NS		1		10		
NO ₃	NS		NS		10		100		
NO ₅	NS		NS		10		100		
SO4	NS		NS		WS		NS		
Ag	TVS(tr)		TVS		100		NS		
Al	NS		NS		NS		NS		
As	150		340		0.02		100		
Cd	TVS		TVS(tr)		5		10		
Cu	TVS		TVS		1000		200		
Cr ₃	TVS		NS		50		100		
Cr ₆	TVS		TVS		50		100		
FeD	NS		NS		WS		NS		
FeT	1000		NS		NS		NS		
Hg	0.01		1.4		NS		NS		
Mo	NS		NS		210		160		
Mn	TVS		TVS		WS		200		
Ni	TVS		TVS		100		200		
Pb	TVS		TVS		50		100		
Se	TVS		TVS		50		20		
U	NS		NS		16.8 - 30		NS		
Zn	TVS		TVS		5000		2000		
TP	NS		NS		-		-		
S-	0.002		NS		0.05		NS		
E. Coli	NS		NS		630		NS		
Cyanide	0.005		NS		0.2		0.2		
Chlor. A	NS		NS		-		-		Rec. standard of NS is in place.
Chlorine	0.019		0.011		NS		NS		
Chloride	NS		NS		250		NS		
Boron	NS		NS		NS		750		
Be	NS		NS		4		100		

Error: Aluminum a

Segment Description: 1. Mainstem of the Colorado River from the confluence with the Roaring Fork River to

Uses:

AQ Use: Aq Life Cold 1

WS Use: water supply

Rec Use: Recreation E

Temp Tier: DM:CS-II MWAT:CS-II

Ag: agriculture

cute Error: Aluminum chronic

immediately below the confluence with Rifle Creek.

station ID Station Name Date

Org

Latitude

Longitude

Datum

Hardness	pH	T	DO	u	0	Cd-D	Cu-D	Fe-D
as CaCO3 mg/L	s.u.	Deg C	mg/L	#/100 mL		ug/L	ug/L	ug/L

Fe-Trec	Pb-D	Mn-D	Se-D	Zn-D	NH3	NO5	NO2
ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L

NO3
mg/L

SO4
mg/L

U-D
ug/L

As-D
ug/L

Ag-D
ug/L

Al-D
ug/L

Hg-D
ug/L

Ni-D	Cr3-D	Cr6-D	Mo-D	TN	TP	TKN	Chlor A
ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L

Sb-D	Asbestos	Barium	Be-D	B-D	Cl-	Chlorine	Cyanide
ug/L	Fibers	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L

Fl-
mg/L

Hg-T
ug/L

sulfide
mg/L

TI-D
ug/L

TI-T
ug/L

Al-T
ug/L

As-T
ug/L

Be-T
ug/L

Cd-T
ug/L

Cu-T
ug/L

Pb-T
ug/L

Mo-T
ug/L

Ni-T
ug/L

Se-T
ug/L

Ag-T
ug/L

U-T
ug/L

Zn-T
ug/L

Sb-T
ug/L

Ba-D
ug/L

Mn-T
ug/L

Cr3-T
ug/L

Cr6-T
ug/L

Regulation Number	Equation ID
32.6	E-1
32.6	E-1
32.6	E-2
32.6	E-2
33.6	E-1
33.6	E-1
33.6	E-10
33.6	E-10
33.6	E-2
33.6	E-2
33.6	E-3
33.6	E-4
33.6	E-5
33.6	E-5
33.6	E-6
33.6	E-6
33.6	E-7
33.6	E-7
33.6	E-8
33.6	E-8
33.6	E-9
33.6	E-9
37.6	E-1
37.6	E-1
38.6	E-1
38.6	E-2
38.6	E-3
38.6	E-3
38.6	E-3
38.6	E-3
38.6	E-4
38.6	E-4
38.6	E-5

38.6	E-5
34.6(4)	E-1
34.6(4)	E-1
34.6(4)	E-1
34.6(4)	E-1
34.6(4)	E-1
34.6(4)	E-1
34.6(4)	E-1
34.6(4)	E-2
34.6(4)	E-2
34.6(4)	E-2
34.6(4)	E-2
34.6(4)	E-2
34.6(4)	E-2
34.6(4)	E-2
36.6(4)	E-1
36.6(4)	E-1
36.6(4)	E-2
36.6(4)	E-2
36.6(4)	E-3
36.6(4)	E-3

Equation
1.136672-(ln(hardness)*0.041838)*e^(0.9151*ln(hardness)-3.6236)
(1.101672-[ln(hardness)*0.041838])*e^(0.7998*[ln hardness]-3.1725)
0.978*e^(0.8537*[ln(hardness)]+2.2178)
0.986*e^(0.8537*[ln(hardness)]+2.0469)
0.978*e^(0.8537*[ln(hardness)]+2.2178)
The highest level of clarity attainable, consistent with the exercise of established water rights and the protection of aquatic life.
0.978*e^(0.8537*[ln(hardness)]+1.4189)
0.986*e^(0.8537*[ln(hardness)]+1.2481)
0.986*e^(0.8537*[ln(hardness)]+2.0469)
e^(1.25*(ln(hard)+0.799))
1/2e^(1.0166*(ln(hard)-3.132))
e^(0.9805*(ln(hard)+1.402))
0.978*e^(0.8537*(ln Hardness)+1.5227)
0.986*e^(0.8537*(ln Hardness)+1.3519)
(1.101672-[ln(hardness)*(0.041838)])* e^(0.7998*[ln (hardness)]-3.1725)
(1.101672-[ln(hardness)*(0.041838)])*e^(0.7998*[ln(hardness)]-3.1725)
0.96*e^(0.9801*[ln(hardness)] – 1.1073)
0.96*e^(0.5897*[ln(hardness)] – 0.0053)
0.978*e^(0.8537*[ln(hardness)]+2.1302)
0.986*e^(0.8537*[ln(hardness)]+1.9593)
0.96*e^(0.9801*[ln(hardness)]-1.5865)
0.96*e^(0.5897*[ln(hardness)]-0.4845)
0.96*e^(0.9801*[ln(hard)]-1.4747)
0.96*e^(0.5897*[ln(hard)]-0.3193)
site-specific equation
When water is present, D.O. concentrations shall be maintained at levels that protect classified uses.
0.978*e^(0.8537*[ln(hardness)]+1.9467)
0.978*e^(0.8537*[ln(hardness)]+1.9467)
0.986*e^(0.8537*[ln(hardness)]+1.8032)
0.986*e^(0.8537*[ln(hardness)]+1.8032)
e^(0.8404*[ln(hardness)]+1.8810)
e^(0.8404*[ln(hardness)]+1.5127)
((QWC + QWFCC) X QSWFCC - (QWFCC X CWFCC))/QWC

The trophic status of Standley Lake shall be maintained as mesotrophic as measured by a combination of common indicator parameters such as total phosphorus, chlorophyll a, secchi depth, and dissolved oxygen.

The concentration of dissolved aluminum that is directed toward maintaining and achieving water quality standards established for segments 3a, 4a and 4b.

The concentration of dissolved cadmium that is directed toward maintaining and achieving water quality standards established for segments 3a, 4a and 4b.

The concentration of dissolved copper that is directed toward maintaining and achieving water quality standards established for segments 3a, 4a and 4b.

The concentration of dissolved iron that is directed toward maintaining and achieving water quality standards established for segments 3a, 4a and 4b.

The concentration of dissolved lead that is directed toward maintaining and achieving water quality standards established for segments 3a, 4a and 4b.

The concentration of dissolved manganese that is directed toward maintaining and achieving water quality standards established for segments 3a, 4a and 4b.

The concentration of dissolved zinc that is directed toward maintaining and achieving water quality standards established for segments 3a, 4a and 4b.

The concentration of dissolved aluminum that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

The concentration of dissolved cadmium that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

The concentration of dissolved copper that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

The concentration of dissolved iron that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

The concentration of dissolved lead that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

The concentration of dissolved manganese that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

The concentration of dissolved zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.

$e^{(0.7852 \cdot \ln[\text{hard}] - 1.545)}$

$e^{(0.7852 \cdot \ln[\text{hard}] - 2.906)}$

$e^{(0.8889 \cdot \ln[\text{hard}] + 0.53)}$

$e^{(0.8889 \cdot \ln[\text{hard}] - 1.519)}$

$e^{(0.8179 \cdot \ln[\text{hard}] + 3.757)}$

$e^{(0.8179 \cdot \ln[\text{hard}] + 2.907)}$

Chronic or acute	Specific period	Analyte	
acute	none	Cd	
chronic	none	Cd	
acute	none	Zn	
chronic	none	Zn	
acute/chronic		Zn	I don't see this one on the list for the spite specific stds
		clairty- secchi disk	Grand
chronic	none	depth	Lake
	differs by		
acute	segment	Zn	
	differs by		
chronic	segment	Zn	
		Zn	??? I don't see this one is the Blue R. 02a stds table
acute/chronic	none	Zn	
acute/chronic	none	Cd	
acute/chronic	none	Zn	
acute	none	Zn	
chronic	none	Zn	
chronic	none	Cd	Is this supposed to be e raised to the power?
chronic	none	Cd	
acute	none	Cu	
chronic	none	Cu	
acute	none	Zn	
	differs by		
chronic	segment	Zn	
acute	none	Cu	
chronic	none	Cu	
acute	none	Cu	
chronic	none	Cu	
	differs by		
acute/chronic	segment	Ammonia	
chronic	none	D.O.	
acute	none	Zn	
acute	none	Zn	
chronic	none	Zn	
chronic	none	Zn	
acute	none	Zn	
chronic	none	Zn	
		All	
acute/chronic	none	Metals	See stds table for what all the letters stand for in the equation

none

Standley Lake; just not sure how to apply this..chronic or acute? W

chronic	none	Al
chronic	none	Cd
chronic	none	Cu
chronic	none	Fe
chronic	none	Pb
chronic	none	Mn
chronic	none	Zn
chronic	none	Al
chronic	none	Cd
chronic	none	Cu
chronic	none	Fe
chronic	none	Pb
chronic	none	Mn
chronic	none	Zn
acute	none	Cd
chronic	none	Cd
acute	none	Cu
chronic	none	Cu
acute	none	Zn
chronic	none	Zn

hich parameters?